

ABSTRACT OF THE DISCLOSURE

[0024] A junction plate assembly for subsea hydraulic couplings has gear-driven cam followers on the circumference of one, generally circular, junction plate and curved cam tracks on a corresponding junction plate to urge the plates together or apart. The gears can provide significant mechanical advantage in moving the junction plates. Accordingly, larger junction plates with a greater number of hydraulic coupling members may be joined together when using the apparatus of the invention. The mechanical advantage provided by the junction plate mechanism allows the use of smaller, less powerful Remotely Operated Vehicles (ROVs) to make hydraulic connections in the subsea environment.